

(FILE 'HOME' ENTERED AT 13:28:26 ON 20 JUL 1999)

FILE 'AGRICOLA, CAPLUS, BIOSIS, EMBASE' ENTERED AT 13:28:39 ON 20 JUL 1999

L1 14 S (ANKYRIN REPEAT) (P) RESISTAN?
L2 7 DUP REM L1 (7 DUPLICATES REMOVED)
L3 5 S RESISTAN? AND PLANT# AND (ANKYRIN REPEAT)
L4 4 DUP REM L3 (1 DUPLICATE REMOVED)
L5 43 S (ANKYRIN REPEAT#) AND PLANT#
L6 33 DUP REM L5 (10 DUPLICATES REMOVED)

=> d l2 ti 1-7

L2 ANSWER 1 OF 7 CAPLUS COPYRIGHT 1999 ACS
TI Sequence and use of RANK1 gene encoding **ankyrin repeat**
-containing peptide from rice associated with disease **resistance**

L2 ANSWER 2 OF 7 CAPLUS COPYRIGHT 1999 ACS
TI Acquired resistance NPR1 genes from Arabidopsis thaliana and Nicotiana
glutinosa and their use for genetic engineering

L2 ANSWER 3 OF 7 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 1
TI Cdkn2a, the gene encoding cyclin-dependent kinase inhibitor p16INK4a and
p19ARF, is a candidate for the plasmacytoma susceptibility locus, Pctrl

L2 ANSWER 4 OF 7 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 2
TI Arabidopsis: a weed leading the field of plant-pathogen interactions

L2 ANSWER 5 OF 7 BIOSIS COPYRIGHT 1999 BIOSIS
TI Signalling pathways: A common theme in plants and animals.

L2 ANSWER 6 OF 7 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 3
TI Domain organization of I.kappa.B.alpha. and sites of interaction with
NF-.kappa.B p65

L2 ANSWER 7 OF 7 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 4
TI Gene organization in the bleomycin-resistance region of the producer
organism Streptomyces verticillus

=> d l4 ti 1-4

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 1999 ACS
TI Sequence and use of RANK1 gene encoding **ankyrin repeat**
-containing peptide from rice associated with disease **resistance**

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 1999 ACS
TI Acquired **resistance** NPR1 genes from Arabidopsis thaliana and
Nicotiana glutinosa and their use for genetic engineering

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 1
TI Arabidopsis: a weed leading the field of **plant**-pathogen
interactions

L4 ANSWER 4 OF 4 BIOSIS COPYRIGHT 1999 BIOSIS
TI Signalling pathways: A common theme in **plants** and animals.

=> d 16 ti 1-33

- L6 ANSWER 1 OF 33 CAPLUS COPYRIGHT 1999 ACS
TI Sequence and use of RANK1 gene encoding **ankyrin repeat**
-containing peptide from rice associated with disease resistance
- L6 ANSWER 2 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
TI Characterization of Chlamydomonas reinhardtii zygote-specific cDNAs that
encode novel proteins containing **ankyrin repeats** and
WW domains.
- L6 ANSWER 3 OF 33 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 1
TI The EMB 506 gene encodes a novel **ankyrin repeat**
containing protein that is essential for the normal development of
Arabidopsis embryos
- L6 ANSWER 4 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
TI X-ray structural analysis of the yeast cell cycle regulator Swi6 reveals
variation of the ankyrin fold and has implications for Swi6 function.
- L6 ANSWER 5 OF 33 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 2
TI A chromodomain protein encoded by the Arabidopsis CAO gene is a
plant-specific component of the chloroplast signal recognition
particle pathway that is involved in LHCP targeting
- L6 ANSWER 6 OF 33 CAPLUS COPYRIGHT 1999 ACS
TI Synergistic use of microbicides and strongly expressed systemic acquired
resistance genes in increasing **plant** resistance to pathogens
- L6 ANSWER 7 OF 33 CAPLUS COPYRIGHT 1999 ACS
TI Acquired resistance NPR1 genes from Arabidopsis thaliana and Nicotiana
glutinosa and their use for genetic engineering
- L6 ANSWER 8 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
TI Mutation and modeling analysis of the Saccharomyces cerevisiae Swi6
ankyrin repeats.
- L6 ANSWER 9 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
TI Structural and functional architecture of the yeast cell-cycle
transcription factor Swi6.
- L6 ANSWER 10 OF 33 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 3
TI Regulation of cyclic peptide biosynthesis and pathogenicity in
Cochliobolus carbonum by TOXEp, a novel protein with a bZIP basic
DNA-binding motif and four **ankyrin repeats**
- L6 ANSWER 11 OF 33 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 4
TI Arabidopsis: a weed leading the field of **plant**-pathogen
interactions
- L6 ANSWER 12 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
TI cDNA cloning and functional analysis of p28 (Nas6p) and p40.5 (Nas7p),
two
novel regulatory subunits of the 26S proteasome.
- L6 ANSWER 13 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
TI An essential function of a phosphoinositide-specific phospholipase C is
relieved by inhibition of a cyclin-dependent protein kinase in the yeast
Saccharomyces cerevisiae.
- L6 ANSWER 14 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
TI The **ankyrin repeat**-containing protein Akrlp is
required for the endocytosis of yeast pheromone receptors.

L6 ANSWER 15 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Functional characterization of the fission yeast start-specific transcription factor Res2.

L6 ANSWER 16 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Signalling pathways: A common theme in **plants** and animals.

L6 ANSWER 17 OF 33 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 5
 TI The Arabidopsis NPR1 gene that controls systemic acquired resistance encodes a novel protein containing **ankyrin repeats**

L6 ANSWER 18 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
 TI The *Saccharomyces cerevisiae* start-specific transcription factor Swi4 interacts through the **ankyrin repeats** with the mitotic Clb2/Cdc28 kinase and through its conserved carboxy terminus with Swi6.

L6 ANSWER 19 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
 TI AKR1 encodes a candidate effector of the G-beta-gamma complex in the *Saccharomyces cerevisiae* pheromone response pathway and contributes to control of both cell shape and signal transduction.

L6 ANSWER 20 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Domains determining the functional distinction of the fission yeast cell cycle "start" molecules Res1 and Res2.

L6 ANSWER 21 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
 TI NUC-2, a component of the phosphate-regulated signal transduction pathway in *Neurospora crassa*, is an **ankyrin repeat** protein.

L6 ANSWER 22 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Interactions between the **ankyrin repeat**-containing protein Akrlp and the pheromone response pathway in *Saccharomyces cerevisiae*.

L6 ANSWER 23 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
 TI A new *Saccharomyces cerevisiae* **ankyrin repeat**-encoding gene required for a normal rate of cell proliferation.

L6 ANSWER 24 OF 33 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 6
 TI Isolation of an ion channel gene from *Arabidopsis thaliana* using the H5 signature sequence from voltage-dependent K⁺ channels

L6 ANSWER 25 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
 TI An **ankyrin repeat**-containing gene is expressed in buffelgrass.

L6 ANSWER 26 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Identification of a novel serine/threonine kinase and a novel 15-kD protein as potential mediators of the gamma interferon-induced cell death.

L6 ANSWER 27 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Pct1+, which encodes a new DNA-binding partner of p85-cdc10, is required for meiosis in the fission yeast *Schizosaccharomyces pombe*.

L6 ANSWER 28 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
 TI SWH1 from yeast encodes a candidate nuclear factor containing **ankyrin repeats** and showing homology to mammalian oxysterol-binding protein.

L6 ANSWER 29 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Phosphate-regulated inactivation of the kinase PHO80-PHO85 by the CDK inhibitor PHO81.

L6 ANSWER 30 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS

TI Isolation of a novel **ankyrin-repeat** containing gene
from *S. cerevisiae*.

L6 ANSWER 31 OF 33 BIOSIS COPYRIGHT 1999 BIOSIS
TI Promoter analysis of the PHO81 gene encoding a 134 kDa protein bearing
ankyrin repeats in the phosphatase regulon of
Saccharomyces cerevisiae.

L6 ANSWER 32 OF 33 AGRICOLA
TI Expression of antisense or sense RNA of an **ankyrin**
repeat-containing gene blocks chloroplast differentiation in
Arabidopsis.

L6 ANSWER 33 OF 33 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 7
TI Expression of antisense or sense RNA of an **ankyrin**
repeat-containing gene blocks chloroplast differentiation in
Arabidopsis

FILE 'USPAT' ENTERED AT 13:26:44 ON 20 JUL 1999

* U. S. P A T E N T T E X T F I L E *
*
* THE WEEKLY PATENT TEXT AND IMAGE DATA IS CURRENT *
* THROUGH July 20,1999 *
*
*

=> s (ankyrin repeat) (p) resistan?

64 ANKYRIN
66678 REPEAT
18 ANKYRIN REPEAT
(ANKYRIN(W) REPEAT)
642291 RESISTAN?
L1 0 (ANKYRIN REPEAT) (P) RESISTAN?

=> s ankyrin repeat

64 ANKYRIN
66678 REPEAT
L2 18 ANKYRIN REPEAT
(ANKYRIN(W) REPEAT)

=> d ti 1-18

US PAT NO: 5,891,628 [IMAGE AVAILABLE] L2: 1 of 18
TITLE: Identification of polycystic kidney disease gene,
diagnostics and treatment

US PAT NO: 5,877,019 [IMAGE AVAILABLE] L2: 2 of 18
TITLE: Animal 2-5A-dependent RNases and encoding sequences
therefor

US PAT NO: 5,866,787 [IMAGE AVAILABLE] L2: 3 of 18
TITLE: Transgenic plants co-expressing a functional human 2-5A
system

US PAT NO: 5,866,781 [IMAGE AVAILABLE] L2: 4 of 18
TITLE: Antiviral transgenic plants, vectors, cells and methods

US PAT NO: 5,866,686 [IMAGE AVAILABLE] L2: 5 of 18
TITLE: Nuclear thyroid hormone receptor-interacting polypeptides
and related molecules and methods

US PAT NO: 5,861,300 [IMAGE AVAILABLE] L2: 6 of 18
TITLE: Antiviral transgenic plants, vectors, cells and methods

US PAT NO: 5,859,346 [IMAGE AVAILABLE] L2: 7 of 18
TITLE: Crucifer AFT proteins and uses thereof

US PAT NO: 5,849,580 [IMAGE AVAILABLE] L2: 8 of 18
TITLE: Nucleic acid encoding a NF-.kappa.B activation regulatory
protein, I.kappa.B.beta.

US PAT NO: 5,846,714 [IMAGE AVAILABLE] L2: 9 of 18
TITLE: Method of identifying a chemical that alters dissociation
of an NF-KB/IKB complex

US PAT NO: 5,846,711 [IMAGE AVAILABLE] L2: 10 of 18
TITLE: Nuclear hormone receptor-interacting polypeptides and
related molecules and methods

US PAT NO: 5,840,577 [IMAGE AVAILABLE] L2: 11 of 18
TITLE: Animal 2-5A-dependent RNases and encoding sequences
therefor

US PAT NO: 5,830,756 [IMAGE AVAILABLE] L2: 12 of 18
TITLE: DNA and expression vector encoding I.kappa.B Protein

US PAT NO: 5,786,158 [IMAGE AVAILABLE] L2: 13 of 18
TITLE: Therapeutic and diagnostic methods and compositions based
on notch proteins and nucleic acids

US PAT NO: 5,780,300 [IMAGE AVAILABLE] L2: 14 of 18
TITLE: Manipulation of non-terminally differentiated cells using
the notch pathway

US PAT NO: 5,708,158 [IMAGE AVAILABLE] L2: 15 of 18
TITLE: Nuclear factors and binding assays

US PAT NO: 5,623,054 [IMAGE AVAILABLE] L2: 16 of 18
TITLE: Crucifer AFT proteins and uses thereof

US PAT NO: 5,612,455 [IMAGE AVAILABLE] L2: 17 of 18
TITLE: Nuclear factors and binding assay

US PAT NO: 5,597,898 [IMAGE AVAILABLE] L2: 18 of 18
TITLE: NF-.kappa.B activation regulatory protein,
I.kappa.B-.beta.